

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2714	(fluid or hydrodynamic) bearing and (axial and radial)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/05 08:42
S2	954	(fluid or hydrodynamic) bearing and (axial and radial) and spindle	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/05 08:43
S3	530	(fluid or hydrodynamic) bearing and (axial and radial) and spindle and rotor and stator	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/05 08:44
S4	453	(fluid or hydrodynamic) bearing and (axial and radial) and spindle motor and rotor and stator	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/05 10:07
S5	4	((("6252322") or ("6712523") or ("6698931") or ("6566776"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/06/09 14:00
S6	4517	((310/90) or (384/100,107,112,114) or (360/220,224,99.04,99.07,99.08,99.09,99.11)).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/09 17:03
S7	4162	S6 not S4	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/05 12:21
S8	976	S7 and (hydrodynamic or fluid) and (axial or thrust) and radial	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/05 12:22
S9	521	S7 and (hydrodynamic or fluid) and (axial or thrust) and radial and (spindle motor or disk drive or hard disk)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/05 12:24
S10	496	S7 and (hydrodynamic or fluid) with bearing and (axial or thrust) and radial and (spindle motor or disk drive or hard disk)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/05 12:28
S11	236	S7 and (hydrodynamic or fluid) bearing and (axial or thrust) and radial and (spindle motor or disk drive or hard disk)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 13:00
S12	36	bearing with (tested or testing) and spindle motor and (hydrodynamic or fluid) bearing	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/09 14:34
S13	2	bearing and spindle motor and (hydrodynamic or fluid) bearing and adhesive with gas emission	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/09 14:35
S14	2	bearing and spindle motor and adhesive with gas emission	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/09 15:21

## EAST Search History

S15	2	spindle motor and adhesive with gas emission	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/09 14:35
S16	3	disk drive and adhesive with gas emission	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/09 14:36
S17	191	disk drive and adhesive with gas	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/09 14:36
S18	11	disk drive and adhesive with low gas	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/09 14:58
S19	52	spindle motor and disk drive and adhesive with gas	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/09 15:08
S20	1	("6566776").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/09 15:08
S21	0	bearing and spindle motor and (snap of transition) fit	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/09 15:22
S24	66	bearing and spindle motor and (snap or transition) fit	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/09 15:22
S25	3410	hard disk and (snap or transition fit)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/09 16:03
S26	125	hard disk and (snap or transition fit) same (stator or rotor or bearing)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/09 16:04
S27	19	hard disk and (snap or transition) fit same (stator or rotor or bearing)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/09 16:04
S28	3960	(29/596,598,898.07,898.02).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/11 08:45
S29	83	S28 and (hydrodynamic or fluid) bearing	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/06/11 08:45
S30	17	(US-20010022869-\$ or US-20010033061-\$ or US-20020018603-\$ or US-20020047396-\$).did. or (US-6034454-\$ or US-5358339-\$ or US-5574322-\$ or US-5647672-\$ or US-6157515-\$ or US-6502990-\$ or US-5673159-\$ or US-5751080-\$ or US-6698931-\$ or US-6614139-\$ or US-6375357-\$ or US-6172847-\$ or US-6341896-\$).did.	US-PGPUB; USPAT	ADJ	ON	2007/11/14 13:35

## EAST Search History

S31	10	S30 and adhesiv\$3	US-PGPUB; USPAT	ADJ	ON	2007/11/14 14:55
S32	656	(printed circuit or circuit board or wiring board or printed board) and release layer and transfer	US-PGPUB; USPAT	ADJ	ON	2007/11/14 14:58
S33	230	(printed circuit or circuit board or wiring board or printed board) and release layer and transfer with (plate or base or member or tool or mold)	US-PGPUB; USPAT	ADJ	ON	2007/11/14 15:00
S34	3	(printed circuit or circuit board or wiring board or printed board) and release layer and pattern transfer and h05k\$/\$.ipc.	US-PGPUB; USPAT	ADJ	ON	2007/11/14 15:00
S35	99	(printed circuit or circuit board or wiring board or printed board) and release layer and pattern and h05k\$/\$.ipc.	US-PGPUB; USPAT	ADJ	ON	2007/11/14 15:00
S36	0	(printed circuit or circuit board or wiring board or printed board) and release layer and transferand h05k\$/\$.ipc.	US-PGPUB; USPAT	ADJ	ON	2007/11/14 15:00
S37	43	(printed circuit or circuit board or wiring board or printed board) and release layer and transfer and h05k\$/\$.ipc.	US-PGPUB; USPAT	ADJ	ON	2007/11/14 15:08
S38	56	pattern transfer and h05k\$/\$.ipc.	US-PGPUB; USPAT	ADJ	ON	2007/11/14 15:14
S39	1	("6871396").PN.	US-PGPUB; USPAT	OR	OFF	2007/11/14 15:20
S40	1	("6614139").PN.	US-PGPUB; USPAT	OR	OFF	2007/11/19 15:35
S41	0	("43168220").PN.	US-PGPUB; USPAT	OR	OFF	2007/11/19 18:15
S42	0	("43168220").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/19 18:15
S43	0	"43168220"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/19 18:15
S44	120	(bearing or rotor) near3 assembly with (test or tested or testing) and "384".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 13:06

## EAST Search History

S45	131	(bearing or rotor) near3 assembly with (test or tested or testing) and (shaft with (rotor or hub) with (bearing or sleeve))	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 13:09
S46	0	(bearing or rotor) near3 assembly with (test or tested or testing) and (shaft with (rotor or hub) with (bearing or sleeve)) and "438".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 13:09
S47	23	(bearing or rotor) near3 assembly with (test or tested or testing) and (shaft with (rotor or hub) with (bearing or sleeve)) and "384".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 13:21
S48	12	(bearing or rotor) near3 assembly with (test or tested or testing) and (shaft with (rotor or hub) with (bearing or sleeve)) and (dynamic or hydrodynamic) bearing	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 13:22
S49	5	(bearing or rotor) near3 assembly with (test or tested or testing) and (shaft with (rotor or hub) with (bearing or sleeve)) and (dynamic or hydrodynamic) bearing not S47	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 13:26
S50	0	(bearing or rotor) near3 assembly with ( tested or testing) and (shaft same (rotor or hub) same (bearing or sleeve)) and (dynamic or hydrodynamic) bearing not (S47 or S48)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 13:28
S51	0	(bearing or rotor) near3 assembly with ( tested or testing) and (shaft same (rotor or hub) same (bearing or sleeve)) and (dynamic or hydrodynamic) with bearing bearing not (S47 or S48)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 13:29
S52	0	"384".clas. and rotor with (tested or testing) with (bae or plate) and (dynamic or hydrodynamic) with bearing	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 13:31
S53	0	"384".clas. and rotor with (tested or testing) with (base or plate) and (dynamic or hydrodynamic) with bearing	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 13:31
S54	0	"384".clas. and rotor with (tested or testing) with (base or plate) and (dynamic or hydrodynamic)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 13:31
S55	2	"384".clas. and rotor with (tested or testing) with (base or plate) and bearing	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 13:33

## EAST Search History

S56	13	"384".clas. and bearing with (tested or testing) with (base or plate) and rotor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 13:37
S57	84	bearing with (tested or testing) with (base or plate) and rotor	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 13:37
S58	71	bearing with (tested or testing) with (base or plate) and rotor not S56	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 13:47
S59	10924	(rotor or bearing) with (testing or tested)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 14:18
S60	1862	(rotor or bearing) with (testing or tested) with (mounted or mounting or assembled or assembly or assembling)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 14:20
S61	129	(rotor or bearing) with (testing or tested) with (mounted or mounting or assembled or assembly or assembling) with (prior or before)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 15:47
S62	0	ritor with bearing with (testing or tested) with (mounting or mounted or assembled or assembling or inserted or inserting) with (stator or housing or casing)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 15:49
S63	0	r0tor with bearing with (testing or tested) with (mounting or mounted or assembled or assembling or inserted or inserting) with (stator or housing or casing)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 15:49
S64	29	rotor with bearing with (testing or tested) with (mounting or mounted or assembled or assembling or inserted or inserting) with (stator or housing or casing)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/22 15:55
S65	122	h02k\$/\$.ipc. and (rotor or armature) with (testing or tested).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/22 15:58
S66	23	h02k\$/\$.ipc. and (bearing and (rotor or armature) with (testing or tested)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/22 16:04

## EAST Search History

S67	4010	hydrodynamic bearing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/22 16:04
S68	298	S67 and (testing or tested)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/22 16:04
S69	25	S67 and (testing or tested) with (before or prior)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/22 16:32
S70	256	(bearing with shaft with rotor) and (testing or tested) with (before or prior)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/22 16:32
S71	50	(bearing with shaft with rotor) same (testing or tested) with (before or prior)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/22 16:32
S72	70	(bearing with shaft with rotor) and (bearing or shaft or rotor) with (testing or tested) with (before or prior)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/22 16:34
S73	64	(bearing with shaft with rotor) and (bearing or rotor) with (testing or tested) with (before or prior)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/22 16:37

## EAST Search History

S74	30	(bearing with shaft with rotor) and (bearing or rotor) near5 (testing or tested) with (before or prior)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/22 16:37
S75	8522	((29/596,598,898.07,898.02) or (310/90) or (384/100,107,112,114) or (360/99.08,99.07,220,224,99.04,99.11)).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/11/25 10:23
S76	251	S75 and @pd>"20070601"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/25 10:23